

Commanding Officer
Coast Guard Integrated
Support Command Ketchikan Juneau Staff

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Juneau, AK 99802-5517
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12 March 1997

From:

LCDR David P. Bleicher, Safety and Environmental Health

Branch

To:

Commanding Officer, CGC Storis

Subj: PCB ANALYSIS OF MAIN PROPULSION CABLE

- 1. The main propulsion cable of CGC Storis was sampled on 22 January 1997 and analyzed for PCBs prior to its removal for replacement.
- 2. Analysis showed no PCBs present. This information was telephonically relayed to members of your crew on 31 January 1997. A copy of the analytical report is provided for your records.
- 3. For additional discussion of this result or information please contact me at 463-2236.

が. P. BLEICHER By direction

Encl: Analytical Report

Copy: MLCPAC (kse)



ANALYTICAL REPORT

Form ARF-AL

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1 Part of 01309715202511

Date	JAN	31	1997		
Labor	ratory	Grou	ip Name	971-0157-01	
Accou	ınt No	07	300		

US Coast Guard Attention: LCDR David Bleicher 17th Coast Guard District

P.O. Box 25517 Juneau, AK 99802-5517

FAX (907) 463-2256 Telephone (907) 463-2236

Sampling Collection and Shipment Sampling Site						Date of Collection								
	Date Samples Received at Laboratory January 24, 1997													
Analysis Method of Analysis 8080														
	Date(s) of Analysis January 28, 1997													
Analytical Results														
Field Sample Number	Laboratory Number	Sample Type	Aroclor 1016 ug/g 3550	Aroclor 1221 ug/g 3550	Aroclor 1232 ug/g 3550	Aroclor 1242 ug/g 3550	Aroclor 1248 ug/g 3550	Aroclor 1254 ug/g 3550	Aroclor 1260 ug/g 3550	Tetrachloro- meta-xylene ug/g 3550				
BL-129399-1	BL-129399-1	BULK	ND	0.17	Ш									
QC-129399-1	QC-129399-1	BULK	4.7	ND	ND	ND	ND	ND	4.8	0.17				
97DPB0101	97101130	BULK	ND	0.13	†									
97DPB0101	97101130MS	BULK	130	ND	ND	ND	ND	ND	30	0.14	†			
97DPB0101	97101130MSD	BULK	140	ND	ND	ND	ND	ND	22	0.20	†			
Limit of Detection			0.1	0.1	0.1	0.1	0.1	0.1	0.1	SUR	H			
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† See comment on last page.
ND Parameter not detected above LOD.
NR Parameter not requested.

** See comment on last page.
() Parameter between LOD and LOQ.

1-31-97

Laboratory Supervisor: Reed A. Hendricks



ANALYTICAL REPORT

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Date JAN 3 1 1997

Laboratory Group Name 971-0157-01

General Set Comments

Method: 8080 MOD.

A 1 g portion of sample was extracted in 10 mL of hextane and rotated for one hour. A HP5890 GC equipped with electron capture detector and 30 m X 0.25 mm X 0.25 μ m of DB-1 Column was used for analysis. Temperature program was 75C for 2 min, ramp at 50C/min to 150C, ramp at 5C/min to 275C for 16.5 min. Injection volume was 3 μ L. Laboratory control sample (LCS), Matrix spike (MS) and matrix spike duplicate samples (MSD) were performed. PCB1016 and PCB1260 were spiked at 5.0 μ g/g in LCS, MS and MSD. Surrogate TCMX was spiked at 0.2 μ g/g in all samples. The recoveries of LCS and surrogate were within QC limits. PCB1016 and PCB1260 in MS and MSD had high recoveries. This was due to sample matrix interferences.

Sample Comments

Laboratory Number

-- Comment --

97I01130 Dil. 1X100 was necessary for analysis. 97I01130MS Dil. 1X10 was necessary for analysis. 97I01130MSD Dil. 1X10 was necessary for analysis.